IN THE CLAIMS:

Please cancel claims 1-9, 17, 19, and 21, and amend the claims as follows:

1.   (Cancelled)   A method for booting a computer system comprising:
determining when extended diagnostic testing was last performed on the computer system; and
in response to determining extended diagnostic testing has not been performed within a predefined time period, performing extended diagnostic testing on the computer system.

2.   (Cancelled)   The method of claim 1, wherein the determining comprises examining a timestamp indicative of when extended diagnostic testing was last performed on the computer system.

3.   (Cancelled)   The method of claim 2, further comprising updating the timestamp with the current time after performing extended diagnostic testing.

4.   (Cancelled)   The method of claim 1, wherein the determining comprises examining a free timer that is preset to the predefined time period upon performing extended diagnostic testing.

5.   (Cancelled)   The method of claim 4, wherein extended diagnostic testing is performed when the timer expires.

6.   (Cancelled)   The method of claim 1, further comprising generating a graphical user-interface screen indicating extended diagnostic testing has not been performed within a specified period of time.

Page 2

453390_1

7.   (Cancelled)   The method of claim 6, wherein the graphical user-interface screen allows users to choose whether or not to perform extended diagnostic testing.

8.   (Cancelled)   The method of claim 1, further comprising receiving the predefined time period from a user.

9.   (Cancelled)   The method of claim 8, further comprising generating a graphical user-interface screen that allows a user to enter the predefined time period.

10.   (Currently Amended)   A method for booting a computer system, comprising:
        providing a graphical user interface screen to allow a user to specify periods of time associated with each of a plurality of diagnostic tests;
        determining, for each of a set of one or more the plurality of diagnostic tests, when the diagnostic tests were last performed; and
        in response to determining any selected one of the diagnostic tests has not been performed within [a] the corresponding specified period of time, performing the selected diagnostic test.

11.   (Currently Amended)   The method of claim 10, further comprising receiving from [a] the user an indication of the one or more the plurality of diagnostic tests in the set.

12.   (Currently Amended)   The method of claim 11, further comprising receiving from the user specified periods of time corresponding to the diagnostic tests in the set.

13.   (Currently Amended)   The method of claim 10, wherein the determining comprises examining, for each diagnostic test in the set, a corresponding timestamp.

14.   (Original)   The method of claim 13, wherein the timestamp is indicative of when the corresponding diagnostic test was last performed.

Page 3

453390_1

15.   (Currently Amended)   A computer readable medium containing a program
for performing a boot process for a computer system which, when executed by a
processor, performs operations comprising:

          providing a graphical user interface screen to allow a user to specify a plurality of
time periods associated with a plurality of diagnostic tests;

          determining when the one or more plurality of diagnostic tests were last
performed; and

          in response to determining that the one or more one of the plurality of diagnostic
tests have not been performed within the one or more corresponding time period[s],
performing the one or more diagnostic test[s].

16.   (Currently Amended)   The computer readable medium of claim 15, wherein
the operations further comprise providing an indication that the one or more plurality of
diagnostic tests have not been performed within the one or more corresponding
specified time periods.

17.   (Cancelled)   The computer readable medium of claim 15, further comprising
providing an interface allowing a user to specify the one or more corresponding time
periods.

18.   (Currently Amended)   A multi-processing computer system, comprising:
          a plurality of hardware components; and
          a service processor configured to boot the system and, during a boot process,
perform one or more a plurality of diagnostic tests on the hardware components, in
response to determining the that one of the or more diagnostic tests have not been
performed within one or more a corresponding time period[s]; and
          a hardware management console in communication with the service processor,
wherein the hardware management console is configured to provide a graphical user-

<u>interface screen allowing a user to specify the time periods associated with each of the plurality of diagnostic tests.</u>

19.   (Cancelled)   The system of claim 18, further comprising a hardware management console in communication with the service processor.

20.   (Currently Amended)   The system of claim 19 18, wherein the hardware management console is configured to provide an indication that the one or more diagnostic tests have not been performed.

21.   (Cancelled)   The system of claim 19, wherein the hardware management console is configured to provide a graphical user-interface screen allowing a user to specify periods of time associated with each of the one or more diagnostic tests.

22.   (Currently Amended)   The system of claim 21 18, wherein the one or more diagnostic tests comprise at least one Logical Built-in Self Test and at least one Array Built-in Self Test, and wherein the graphical user-interface screen allows a user to specify a different time period for each.

        Please add the following new claims:

23.   (New) The method of claim 14, further comprising, for each diagnostic test, updating the timestamp with the current time after performing the diagnostic test.

24.   (New) The method of claim 10, wherein, for each diagnostic test, the determining comprises examining a free timer that is preset to the specified time period associated with the diagnostic test.

25.   (New) The method of claim 24, wherein the diagnostic test is performed when the timer expires.

453390_1

26.   (New) The method of claim 10, further comprising, for each diagnostic test, generating a graphical user-interface screen indicating the diagnostic test has not been performed within the corresponding specified time period.

27.   (New) The method of claim 26, wherein the graphical user-interface screen allows users to choose whether or not to perform the diagnostic test.

28.   (New) The method of claim 10, wherein the plurality of diagnostic tests comprise at least one Logical Built-in Self Test and at least one Array Built-in Self Test, and wherein the graphical user-interface screen allows a user to specify a different time period for each.

29   (New) The computer readable medium of claim 15, wherein the plurality of diagnostic tests comprise at least one Logical Built-in Self Test and at least one Array Built-in Self Test, and wherein the graphical user-interface screen allows a user to specify a different time period for each.

30   (New) The computer readable medium of claim 15, further comprising, for each diagnostic test, generating a graphical user-interface screen indicating the diagnostic test has not been performed within the corresponding specified time period.

31.   (New) The computer readable medium of claim 30, wherein the graphical user-interface screen allows users to choose whether or not to perform the diagnostic test.

32.   (New) The system of claim 18, wherein the hardware management console is configured to provide, for each diagnostic test, a graphical user-interface screen indicating the diagnostic test has not been performed within the corresponding specified time period.

Page 6

453390_1

33.   (New) The system of claim 32, wherein the hardware management console is configured to provide the user a choice, through the graphical user-interface, of whether or not to perform the diagnostic test

Page 7

453390_1